```
           RAW SEQUENCE LISTING                   DATE: 07/25/2000
           PATENT APPLICATION:  US/09/483,672A    TIME: 14:32:13

           Input Set : A:\42711c11.app
           Output Set: N:\CRF3\07252000\I483672A.raw
```

```
   3 <110> APPLICANT: Xu, Jiangchun
   4         Dillon, Davin C.
   5         Mitcham, Jennifer L.
   6         Harlocker, Susan Louise
   7         Jiang Yuqui
   8         Reed, Steven G.
   9         Kalos, Michael D.
  10         Fanger, Gary R.
  11         Retter, Marc W.
  12         Solk, John A.
  13         Day, Craig H.
  14         Skeiky, Yasir A.W.
  15         Wang, Aijun
  16         Meagher, Madeleine
  18 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
  19         DIAGNOSIS OF PROSTATE CANCER
  21 <130> FILE REFERENCE: 210121.42711C11
C--> 23 <140> CURRENT APPLICATION NUMBER: US/09/483,672A
  24 <141> CURRENT FILING DATE: 2000-01-14
  26 <160> NUMBER OF SEQ ID NOS: 590
  28 <170> SOFTWARE: FastSEQ for Windows Version 3.0


ERRORED SEQUENCES

7200 <210> SEQ ID NO: 378
7201 <211> LENGTH: 1719
7202 <212> TYPE: PRT
7203 <213> ORGANISM: Homo sapien
7205 <400> SEQUENCE: 378
7206 Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser Ser Val Lys Lys
7207 1               5                   10                  15
7208 Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys Cys Arg Cys Phe
7209             20                  25                  30
7210 Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp
7211         35                  40                  45
7212 His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys Met Gly Lys Trp
7213     50                  55                  60
7214 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val
7215 65                  70                  75                  80
7216 Gly Ala Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Asn
7217                 85                  90                  95
7218 Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
7219             100                 105                 110
7220 Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
7221         115                 120                 125
7222 Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His
```

```
            RAW SEQUENCE LISTING              DATE: 07/25/2000
            PATENT APPLICATION:  US/09/483,672A      TIME: 14:32:14

            Input Set : A:\42711c11.app
            Output Set: N:\CRF3\07252000\I483672A.raw

7223      130                    135                    140
7224   Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
7225   145                    150                    155                    160
7226   Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr Ala
7227                   165                    170                    175
7228   Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu
7229                   180                    185                    190
7230   Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
7231             195                    200                    205
7232   Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met
7233             210                    215                    220
7234   Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn
7235   225                    230                    235                    240
7236   Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
7237                   245                    250                    255
7238   Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly
7239             260                    265                    270
7240   Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
7241             275   .                280                    285
7242   Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
7243             290                    295                    300
7244   Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
7245   305                    310                    315                    320
7246   Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu
7247             325                    330                    335
7248   Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
7249             340                    345                    350
7250   Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
7251             355                    360                    365
7252   Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
7253             370                    375                    380
7254   Pro Arg Thr His Met Val Val Glu Val Asp Ser Met Pro Ala Ala Ser
7255   385                    390                    395                    400
7256   Ser Val Lys Lys Pro Phe Gly Leu Arg Ser Lys Met Gly Lys Trp Cys
7257                   405                    410                    415
7258   Cys Arg Cys Phe Pro Cys Cys Arg Glu Ser Gly Lys Ser Asn Val Gly
7259             420                    425                    430
7260   Thr Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr Leu Arg Ser Lys
7261             435                    440                    445
7262   Met Gly Lys Trp Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly
7263             450                    455                    460
7264   Lys Ser Asn Val Gly Ala Ser Gly Asp His Asp Ser Ala Met Lys
7265   465                    470                    475                    480
7266   Thr Leu Arg Asn Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys
7267                   485                    490                    495
7268   Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp
7269             500                    505                    510
7270   Asp Ser Ala Phe Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu
7271             515                    520                    525
```

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7272   Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp
7273       530                 535                 540
7274   Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln
7275   545                 550                 555                 560
7276   Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val
7277               565                 570                 575
7278   Val Lys Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn
7279               580                 585                 590
7280   Lys Lys Arg Thr Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu
7281       595                 600                 605
7282   Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp
7283       610                 615                 620
7284   Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys
7285   625                 630                 635                 640
7286   Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys
7287               645                 650                 655
7288   Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys
7289               660                 665                 670
7290   Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala
7291       675                 680                 685
7292   Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly
7293       690                 695                 700
7294   Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser
7295   705                 710                 715                 720
7296   Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser
7297               725                 730                 735
7298   His His His Val Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln
7299               740                 745                 750
7300   Met Leu Lys Ile Ser Ser Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys
7301       755                 760                 765
7302   Leu Thr Ser Glu Glu Glu Ser Gln Arg Phe Lys Gly Ser Glu Asn Ser
7303       770                 775                 780
7304   Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp
7305   785                 790                 795                 800
7306   Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser Asn Asn Val Gly
7307               805                 810                 815
7308   Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly Asn Gly Asp Asn
7309               820                 825                 830
7310   Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu Asn Gln Gln Phe
7311       835                 840                 845
7312   Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys Glu Leu Val Ser
7313       850                 855                 860
7314   Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser Glu Asn Ser Asn
7315   865                 870                 875                 880
7316   Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Leu
7317               885                 890                 895
7318   Glu Gly Ser Glu Asn Gly Gln Pro Glu Leu Glu Asn Phe Met Ala Ile
7319               900                 905                 910
7320   Glu Glu Met Lys Lys His Gly Ser Thr His Val Gly Phe Pro Glu Asn
```

```
                        RAW SEQUENCE LISTING              DATE: 07/25/2000
                        PATENT APPLICATION:  US/09/483,672A     TIME: 14:32:14

                        Input Set : A:\42711c11.app
                        Output Set: N:\CRF3\07252000\I483672A.raw

        7321          915                920                925
        7322  Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro
        7323        930                935                940
        7324  Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu
        7325  945                950                955                960
        7326  Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe
        7327                965                970                975
        7328  Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile Leu Ile His
        7329              980                985                990
        7330  Glu Glu Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser
        7331            995               1000               1005
        7332  Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu
        7333          1010               1015               1020
        7334  Arg Glu Glu Ile Ala Met Leu Arg Leu Glu Leu Asp Thr Met Lys His
E--> 7335  1025               1030               1035                       104)/040
        7336  Gln Ser Gln Leu Pro Arg Thr His Met Val Val Glu Val Asp Ser Met
        7337              1045               1050               1055
        7338  Pro Ala Ala Ser Ser Val Lys Lys Pro Phe Gly Leu Arg Ser Lys Met
        7339              1060               1065               1070
        7340  Gly Lys Trp Cys Cys Arg Cys Phe Pro Cys Cys Arg Glu Ser Gly Lys
        7341              1075               1080               1085
        7342  Ser Asn Val Gly Thr Ser Gly Asp His Asp Asp Ser Ala Met Lys Thr
        7343          1090               1095               1100
        7344  Leu Arg Ser Lys Met Gly Lys Trp Cys Arg His Cys Phe Pro Cys Cys
E--> 7345  1105               1110               1115                       112)/120
        7346  Arg Gly Ser Gly Lys Ser Asn Val Gly Ala Ser Gly Asp His Asp Asp
        7347              1125               1130               1135
        7348  Ser Ala Met Lys Thr Leu Arg Asn Lys Met Gly Lys Trp Cys Cys His
        7349              1140               1145               1150
        7350  Cys Phe Pro Cys Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Ala Trp
        7351          1155               1160               1165
        7352  Gly Asp Tyr Asp Asp Ser Ala Phe Met Glu Pro Arg Tyr His Val Arg
        7353          1170               1175               1180
        7354  Gly Glu Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val
E--> 7355  1185               1190               1195                       120)/200
        7356  Pro Arg Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys
        7357              1205               1210               1215
        7358  Lys Asp Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly
        7359              1220               1225               1230
        7360  Asn Ser Glu Val Val Lys Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn
        7361          1235               1240               1245
        7362  Val Leu Asp Asn Lys Lys Arg Thr Ala Leu Ile Lys Ala Val Gln Cys
        7363          1250               1255               1260
        7364  Gln Glu Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro
E--> 7365  1265               1270               1275                       128)/280
        7366  Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Ile Tyr
        7367              1285               1290               1295
        7368  Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp
        7369              1300               1305               1310
```

```
            RAW SEQUENCE LISTING                    DATE: 07/25/2000
            PATENT APPLICATION:  US/09/483,672A     TIME: 14:32:14

            Input Set : A:\4271lcl1.app
            Output Set: N:\CRF3\07252000\I483672A.raw

      7370  Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Val
      7371          1315            1320            1325
      7372  His Glu Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala
      7373      1330            1335            1340
      7374  Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala
E-->  7375  1345            1350            1355            (136)
      7376  Val Cys Cys Gly Ser Ala Ser Ile Val Ser Leu Leu Leu Glu Gln Asn
      7377          1365            1370            1375
      7378  Ile Asp Val Ser Ser Gln Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr
      7379          1380            1385            1390
      7380  Ala Val Ser Ser His His His Val Ile Cys Gln Leu Leu Ser Asp Tyr
      7381          1395            1400            1405
      7382  Lys Glu Lys Gln Met Leu Lys Ile Ser Ser Glu Asn Ser Asn Pro Glu
      7383      1410            1415            1420
      7384  Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu Ser Gln Arg Phe Lys Gly
E-->  7385  1425            1430            1435            (144)
      7386  Ser Glu Asn Ser Gln Pro Glu Lys Met Ser Gln Glu Pro Glu Ile Asn
      7387          1445            1450            1455
      7388  Lys Asp Gly Asp Arg Glu Val Glu Glu Glu Met Lys Lys His Glu Ser
      7389          1460            1465            1470
      7390  Asn Asn Val Gly Leu Leu Glu Asn Leu Thr Asn Gly Val Thr Ala Gly
      7391          1475            1480            1485
      7392  Asn Gly Asp Asn Gly Leu Ile Pro Gln Arg Lys Ser Arg Thr Pro Glu
      7393      1490            1495            1500
      7394  Asn Gln Gln Phe Pro Asp Asn Glu Ser Glu Glu Tyr His Arg Ile Cys
E-->  7395  1505            1510            1515            (152)
      7396  Glu Leu Val Ser Asp Tyr Lys Glu Lys Gln Met Pro Lys Tyr Ser Ser
      7397          1525            1530            1535
      7398  Glu Asn Ser Asn Pro Glu Gln Asp Leu Lys Leu Thr Ser Glu Glu Glu
      7399          1540            1545            1550
      7400  Ser Gln Arg Leu Glu Gly Ser Glu Asn Gly Gln Pro Glu Lys Arg Ser
      7401      1555            1560            1565
      7402  Gln Glu Pro Glu Ile Asn Lys Asp Gly Asp Arg Glu Leu Glu Asn Phe
      7403      1570            1575            1580
      7404  Met Ala Ile Glu Glu Met Lys Lys His Gly Ser Thr His Val Gly Phe
E-->  7405  1585        ·       1590            1595            (160)
      7406  Pro Glu Asn Leu Thr Asn Gly Ala Thr Ala Gly Asn Gly Asp Asp Gly
      7407          1605            1610            1615
      7408  Leu Ile Pro Pro Arg Lys Ser Arg Thr Pro Glu Ser Gln Gln Phe Pro
      7409          1620            1625            1630
      7410  Asp Thr Glu Asn Glu Glu Tyr His Ser Asp Glu Gln Asn Asp Thr Gln
      7411          1635            1640            1645
      7412  Lys Gln Phe Cys Glu Glu Gln Asn Thr Gly Ile Leu His Asp Glu Ile
      7413      1650            1655            1660
      7414  Leu Ile His Glu Glu Lys Gln Ile Glu Val Val Glu Lys Met Asn Ser
E-->  7415  1665            1670            1675            (168)
      7416  Glu Leu Ser Leu Ser Cys Lys Lys Glu Lys Asp Ile Leu His Glu Asn
      7417          1685            1690            1695
      7418  Ser Thr Leu Arg Glu Glu Ile Ala Met Leu Arg Leu Glu Leu Asp Thr
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```
                  RAW SEQUENCE LISTING              DATE: 07/25/2000
                  PATENT APPLICATION:   US/09/483,672A    TIME: 14:32:14

                  Input Set : A:\4271lcll.app
                  Output Set: N:\CRF3\07252000\I483672A.raw

    7419              1700              1705              1710
    7420  Met Lys His Gln Ser Gln Leu
    7421       ·    1715
   10356 <210> SEQ ID NO: 525
   10357 <211> LENGTH: 254
   10358 <212> TYPE: PRT
   10359 <213> ORGANISM: Homo sapien
   10361 <400> SEQUENCE: 525
   10362 Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
   10363  1             5             10             15
   10364 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
   10365          20             25             30
   10366 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
   10367        35             40             45
   10368 Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
   10369       50             55             60
   10370 Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
   10371 65             70             75             80
   10372 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
   10373          85             90             95
   10374 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
   10375          100            105            110
   10376 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
   10377          115            120            125
   10378 Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
   10379       130            135            140
   10380 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
   10381 145            150            155            160
   10382 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
   10383          165            170            175
   10384 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
   10385          180            185            190
   10386 Ala Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
   10387          195            200            205
   10388 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
   10389       210            215            220
   10390 Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
   10391 225            230            235            240
   10392 Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
E--> 10393 245 250
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                    VERIFICATION SUMMARY            DATE: 07/25/2000
                    PATENT APPLICATION:  US/09/483,672A    TIME: 14:32:16

                    Input Set : A:\4271lcll.app
                    Output Set: N:\CRF3\07252000\I483672A.raw

L:23 M:270 C: Current Application Number differs, Wrong Format
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
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            VERIFICATION SUMMARY              DATE: 07/25/2000
            PATENT APPLICATION:  US/09/483,672A      TIME: 14:32:16

            Input Set : A:\4271lcll.app
            Output Set: N:\CRF3\07252000\I483672A.raw

L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:698 M:283 W: Missing Blank Line separator, <210> field identifier
L:1467 M:283 W: Missing Blank Line separator, <400> field identifier
L:7335 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:378
M:332 Repeated in SeqNo=378
L:10018 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10018 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10018 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10019 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
M:340 Repeated in SeqNo=502
L:10020 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10020 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10021 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:502
L:10023 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:502
L:10031 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10031 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10031 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10032 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
M:340 Repeated in SeqNo=503
L:10033 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10033 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10035 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
```

**VERIFICATION SUMMARY**                    DATE: 07/25/2000
PATENT APPLICATION:   US/09/483,672A        TIME: 14:32:16

Input Set : A:\42711cll.app
Output Set: N:\CRF3\07252000\I483672A.raw

```
L:10036 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10036 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:503
L:10037 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:503
L:10107 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:508
L:10107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:508
L:10107 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:508
L:10393 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:525
```